

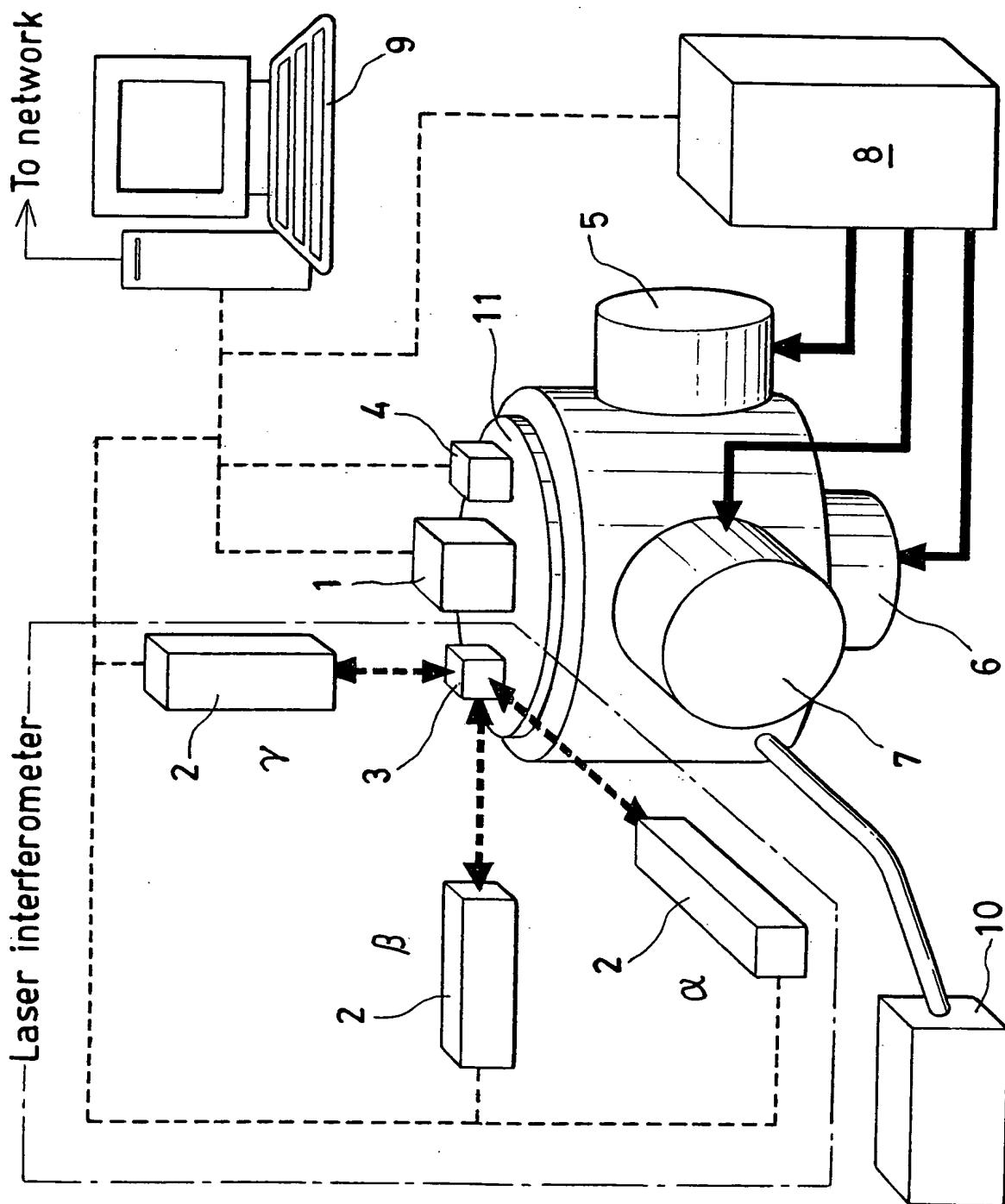
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Oblon, Spivak, et al.
703-413-3000
Docket # 280512US
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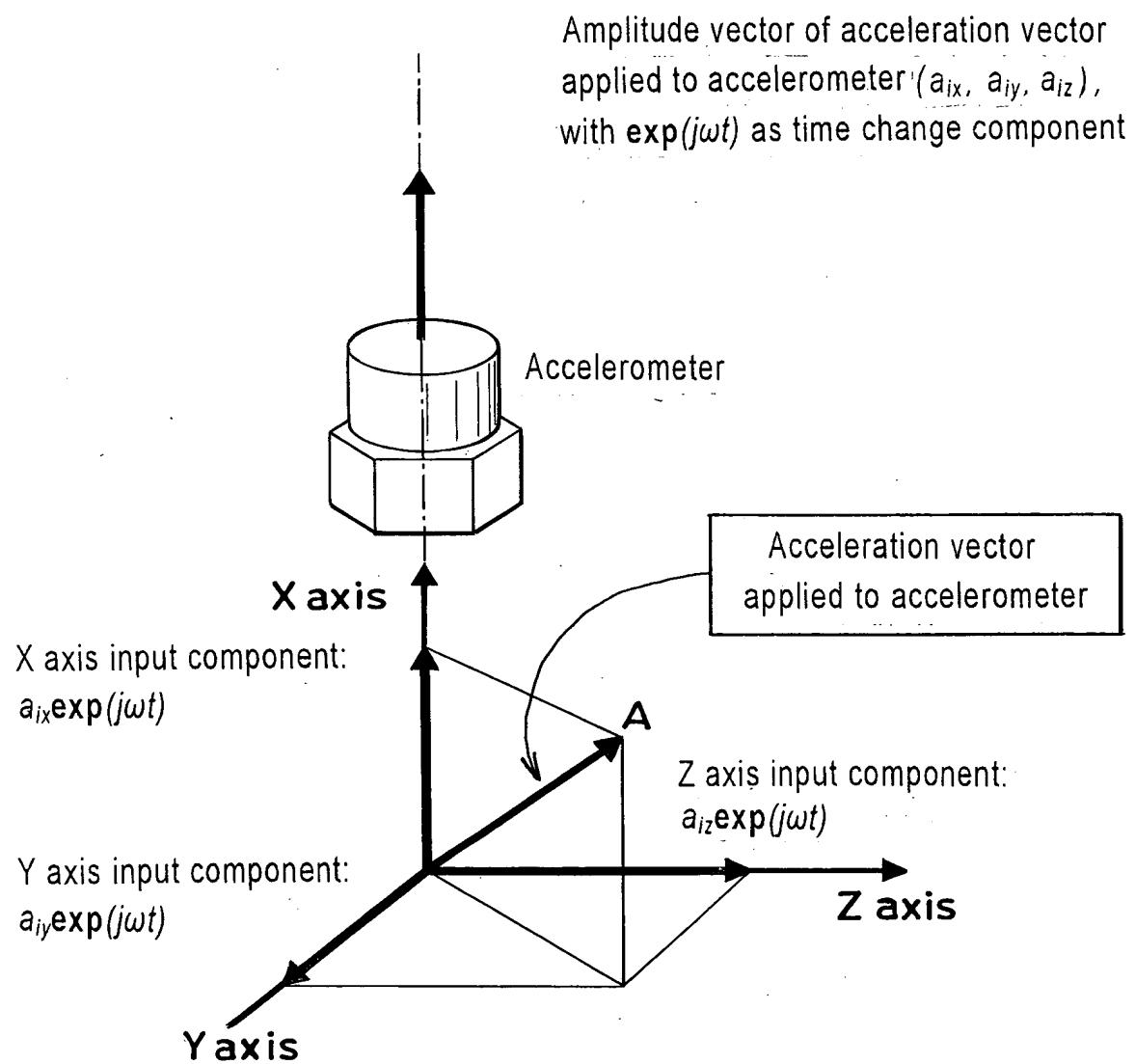
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FIG. 1

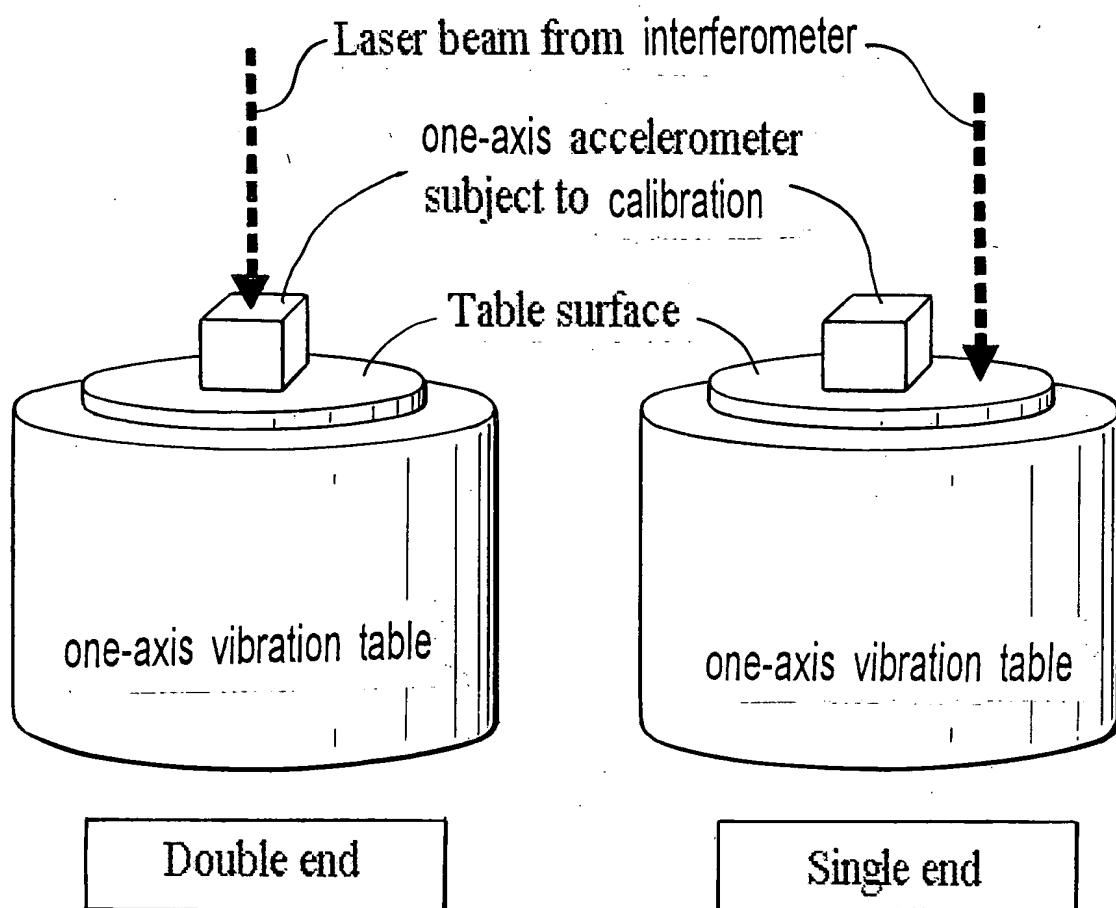
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F I G . 2

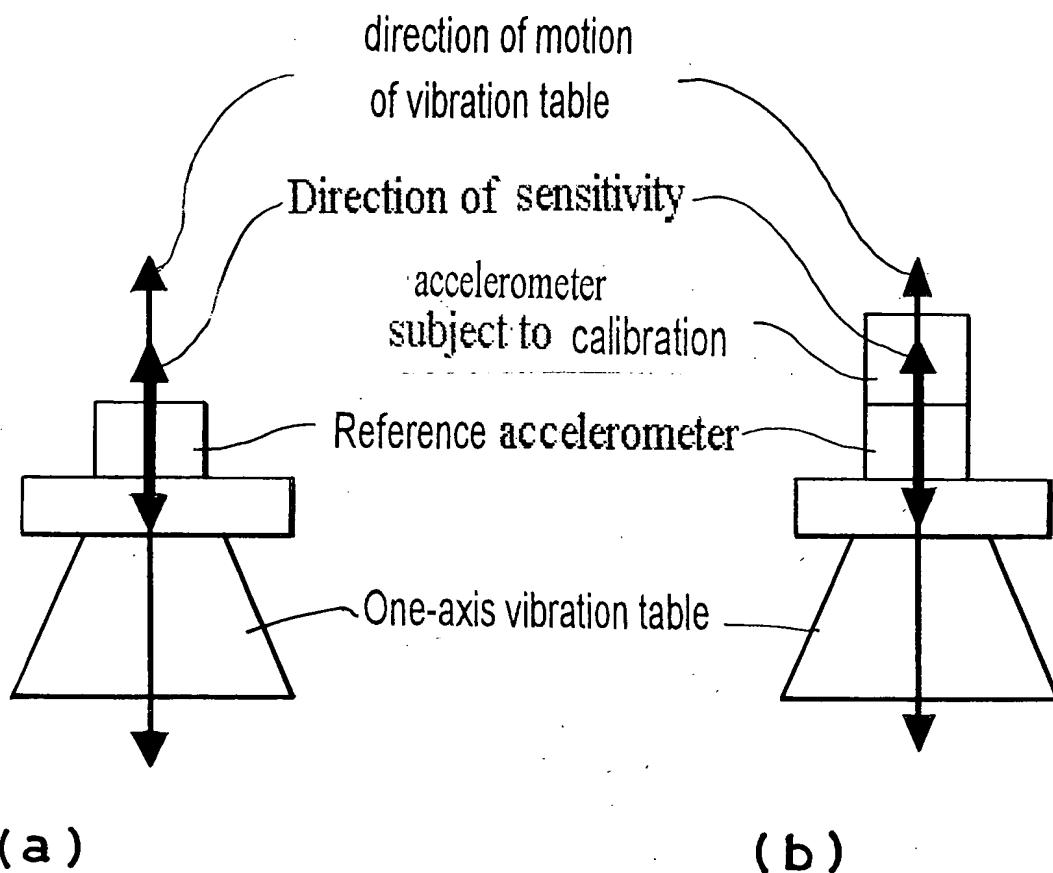


F I G . 3

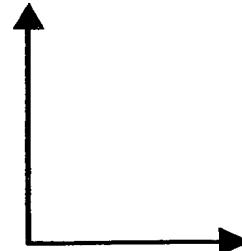
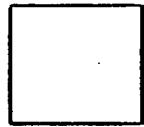


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F I G . 4



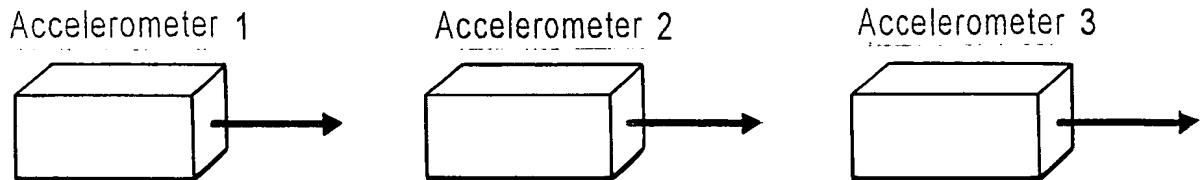
(c) **Direction of sensitivity**



direction of motion of vibration table

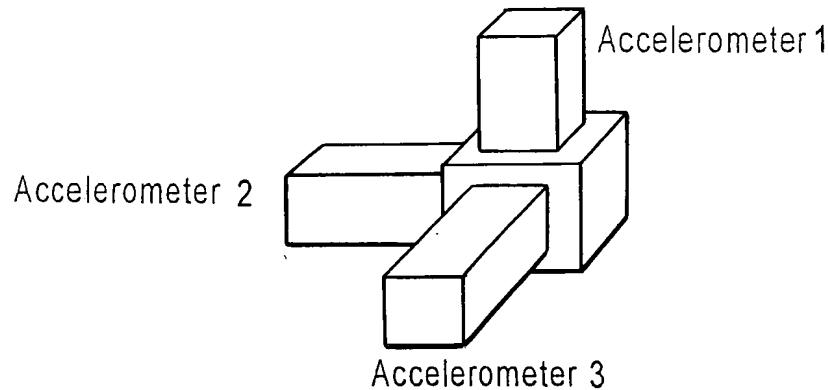
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F I G . 5



Accelerometer	Angle with gravitational acceleration	Matrix sensitivity
Accelerometer 1	Vertical	$(S_{x,x,90.1}, S_{x,y,90.1}, S_{x,z,90.1})$
	Horizontal	$(S_{x,x,0.1}, S_{x,y,0.1}, S_{x,z,0.1})$
Accelerometer 2	Vertical	$(S_{x,x,90.2}, S_{x,y,90.2}, S_{x,z,90.2})$
	Horizontal	$(S_{x,x,0.2}, S_{x,y,0.2}, S_{x,z,0.2})$
Accelerometer 3	Vertical	$(S_{x,x,90.3}, S_{x,y,90.3}, S_{x,z,90.3})$
	Horizontal	$(S_{x,x,0.3}, S_{x,y,0.3}, S_{x,z,0.3})$

This accelerometer when assembled, manifests the following matrix sensitivity.



The matrix sensitivities of the assembled accelerometers shown above are as follows:

$$\begin{pmatrix} S_{x,x,90.1} & S_{x,y,90.1} & S_{x,z,90.1} \\ S_{x,x,0.2} & S_{x,y,0.2} & S_{x,z,0.2} \\ S_{x,x,0.3} & S_{x,y,0.3} & S_{x,z,0.3} \end{pmatrix}$$

FIG. 6

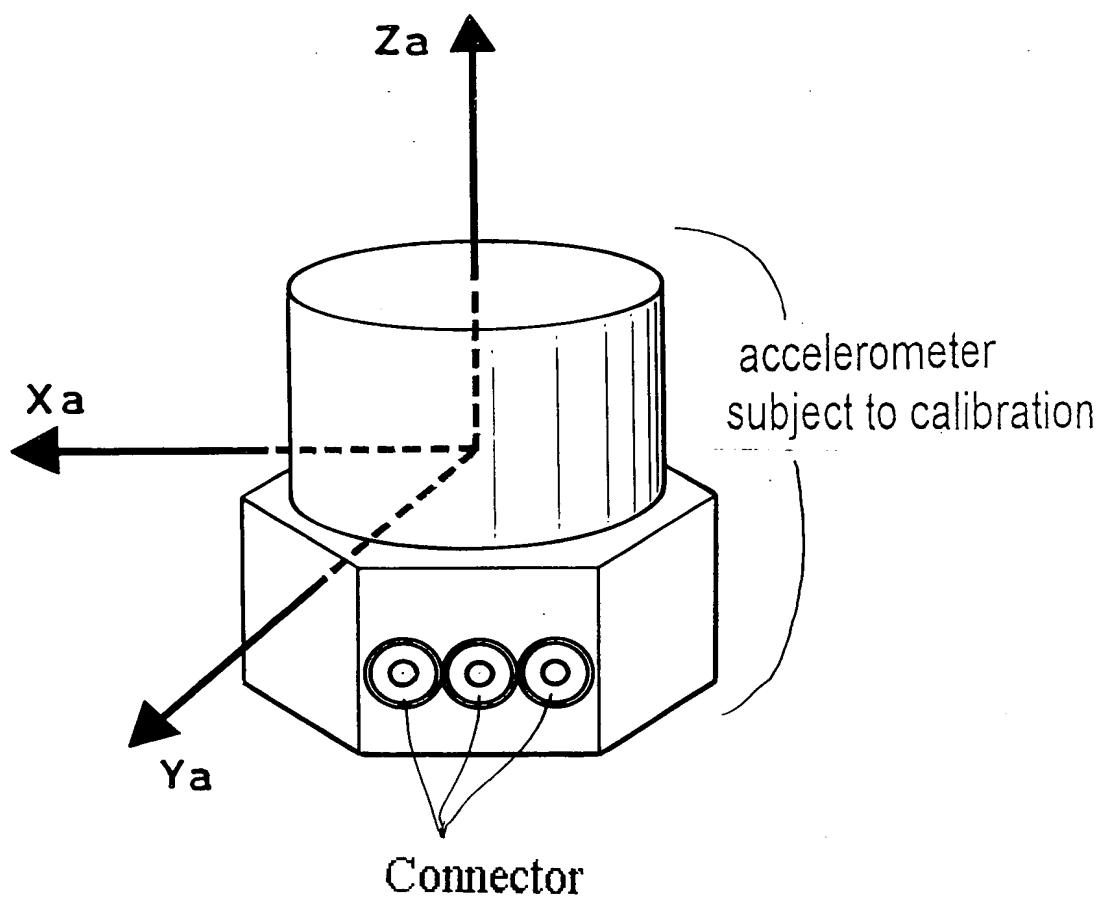


FIG. 7

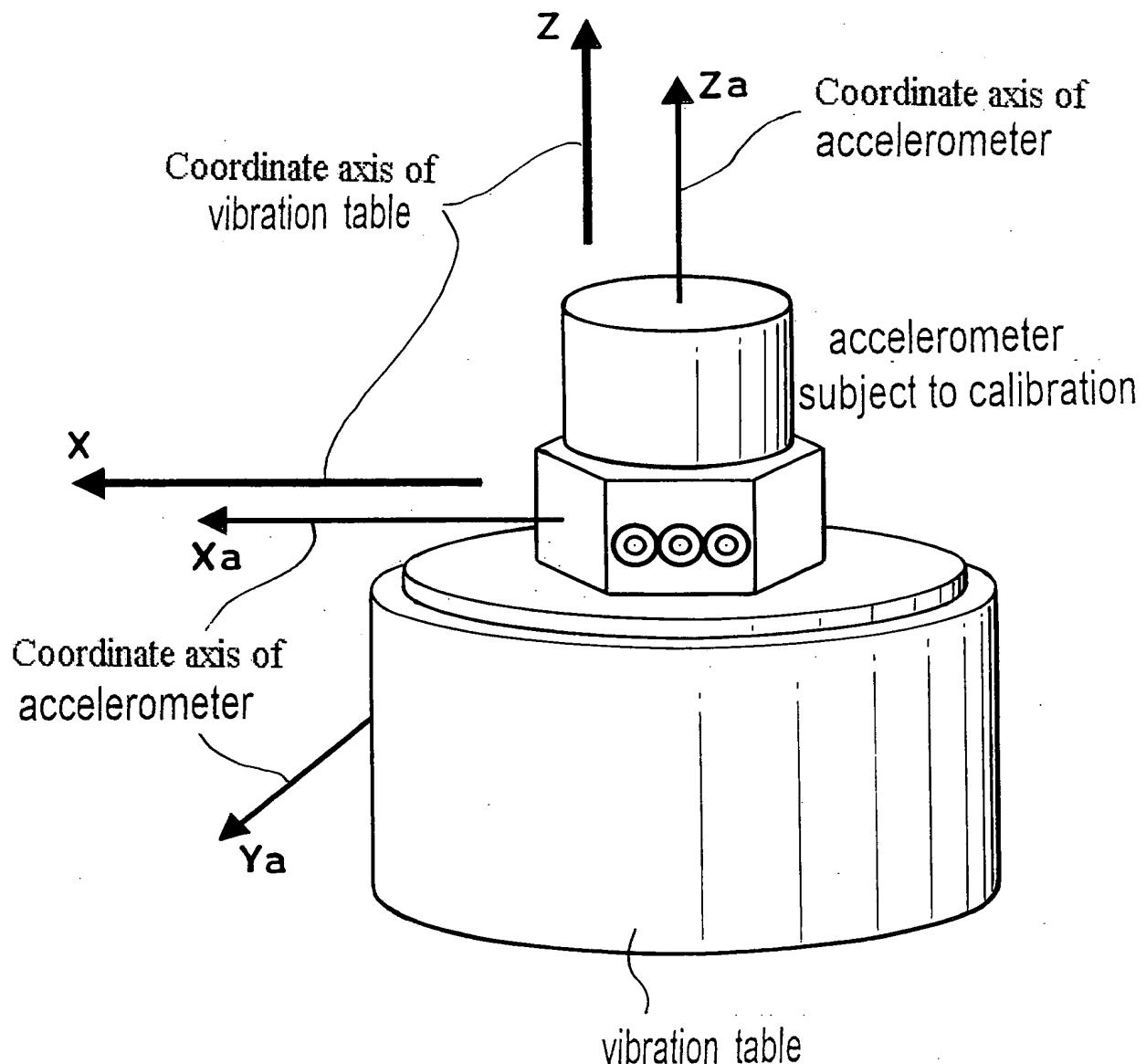
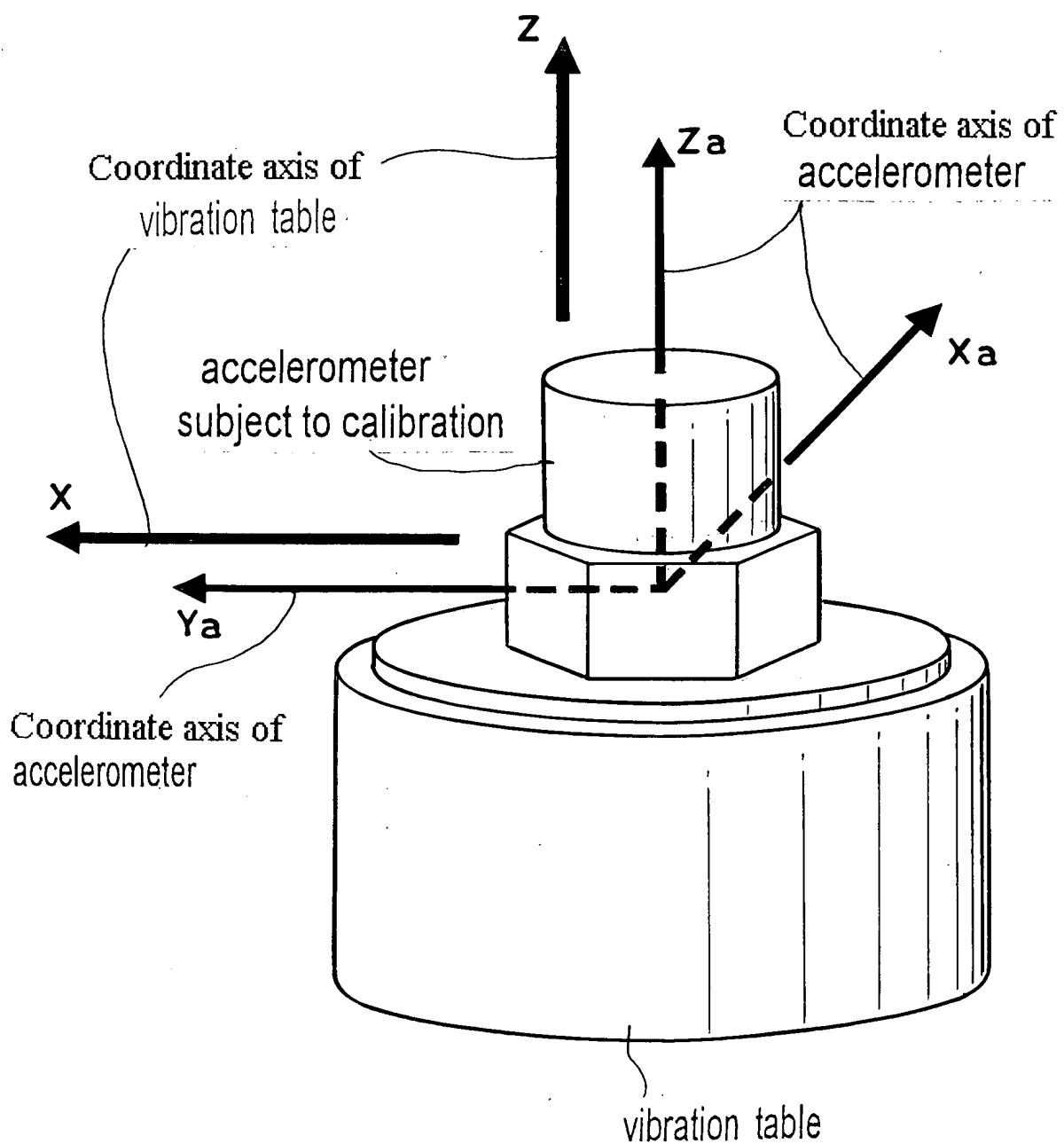
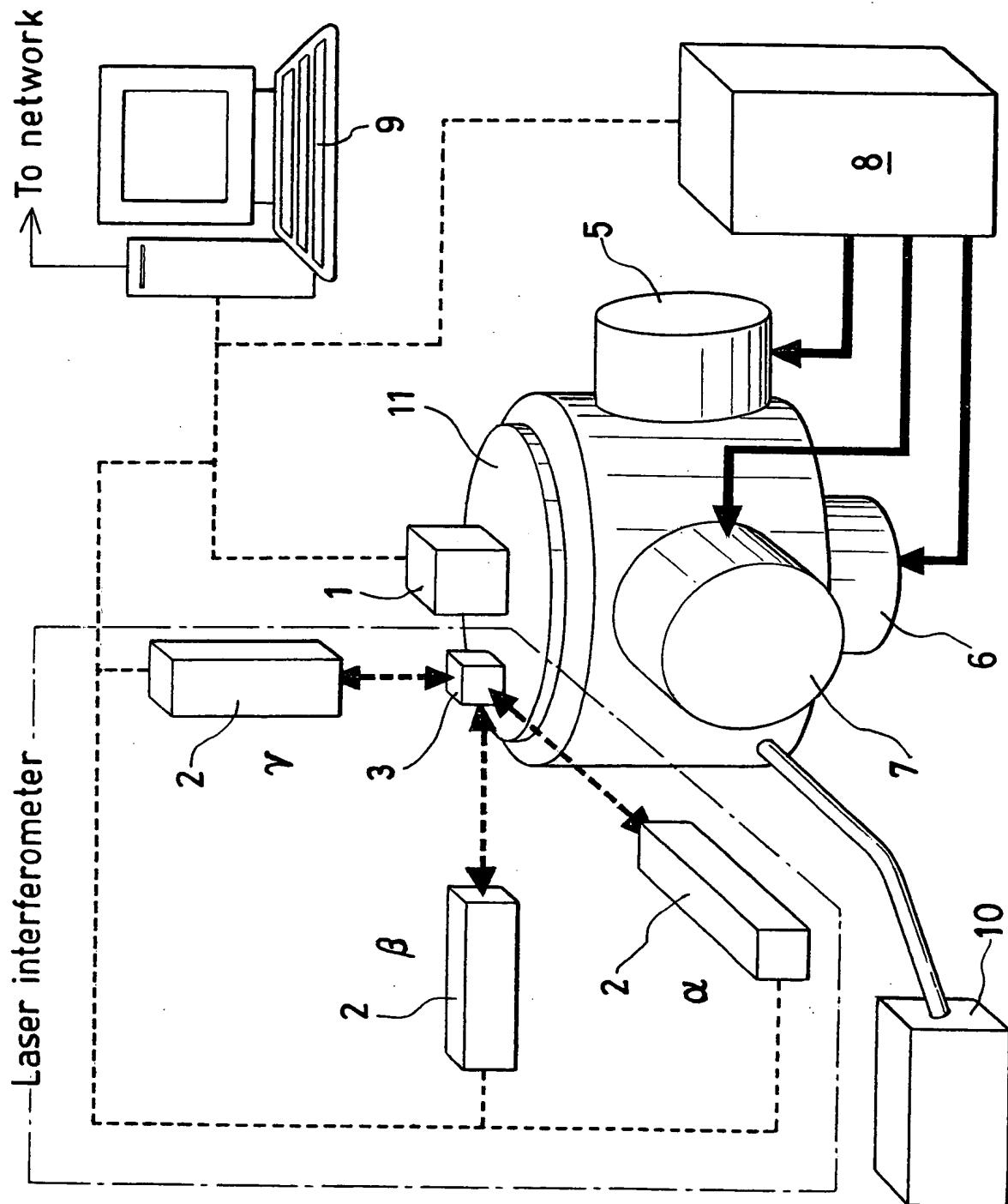


FIG. 8



F I G . 9



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